


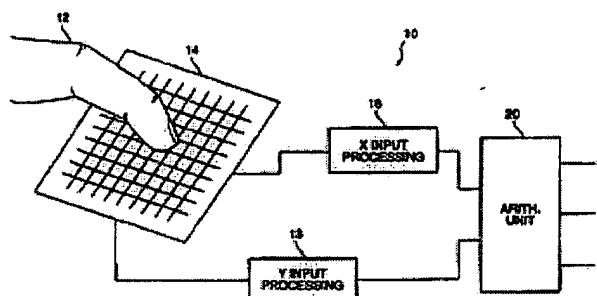


**OBJECT POSITION DETECTOR****Patent number:** JP10505183T**Publication date:** 1998-05-19**Inventor:****Applicant:****Classification:****- International:** G06F3/03; G06F3/033**- european:****Application number:** JP19960509614T 19950901**Priority number(s):** WO1995US11180 19950901; US19940300387  
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Abstract of correspondent: **WO9607981**

A proximity sensor system includes a sensor matrix array having a characteristic capacitance on horizontal and vertical conductors connected to sensor pads. The capacitance changes as a function of the proximity of an object or objects to the sensor matrix. The change in capacitance of each node in both the X and Y directions of the matrix due to the approach of an object is converted to a set of voltages in the X and Y directions. These voltages are processed by digital circuitry to develop electrical signals representative of the centroid of the profile of the object, i.e., its position in the X and Y dimensions. Noise reduction and background level setting techniques inherently available in the architecture are employed.

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